(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 16 December 2004 (16.12.2004)

PCT

(10) International Publication Number WO 2004/108067 A3

(51) International Patent Classification7: 37/00

A61M 31/00.

(21) International Application Number:

PCT/IN2004/000092

(22) International Filing Date: 5 April 2004 (05.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

333/MUM/2003

3 April 2003 (03.04.2003) IN

1021/MUM/2003

29 September 2003 (29.09.2003)

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
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 - of inventorship (Rule 4.17(iv)) for US only

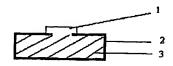
Published:

with international search report

(88) Date of publication of the international search report: 28 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROGRAMMED DRUG DELIVERY SYSTEM



(57) Abstract: The present invention provides a programmed drug delivery system comprising: (a) a core (3) composition comprising one or more beneficial agents and pharmaceutically acceptable excipients, wherein at least one excipient swells when exposed to an aqueous environment, (b) a coat (2) surrounding the core composition, wherein the coat is impermeable to the beneficial agent and other core components, but may be permeable or impermeable to water, (c) passageway in the coat, (d) a composition (1) applied so as to cover the passageway, and (e) optionally, an immediate release composition comprising the same or different beneficial agent.





INTERNATIONAL SEARCH REPORT

International application No. PCT/IN 2004/000092

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61M 31/00, 37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61M 31/00, 37/00, A61K 9/00, 9/20, 9/22, 9/24, 9/26, 9/52, 9/54, 9/56, 9/58

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	1,3-9,11,12, 16,18	
Y	US 2002/0136744 A1 (M.McGLYNN et al.) 26 September 2002 (26.09.2002) the whole document; esp. par. [0021] - [0026], [0032] - [0034], [0152], [0155] - [0159], claim 1, 17.		
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Further documents are listed in the continuation of Box C.

See patent family annex.

- Special categories of cited documents:
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
11 April 2005 (11.04.2005)

Date of mailing of the international search report 22 April 2005 (22.04.2005)

Name and mailing address of the ISA/ AT

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Authorized officer

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Telephone No. +43 / 1 / 534 24 / 340

INTERNATIONAL SEARCH REPORT

International application No. PCT/IN 2004/000092

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Continuation of first sheet

Certain claims were found unsearchable:

Observations where certain claims were found unsearchable

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

Claims Nos.: 5 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

claim 5 is incomprehensible because an beneficial agent cannot cause bleeding and irritations of the gastric mucosa.

Continuation No. IV:

Text of the abstract

(Continuation of item 5 of the first sheet)

The present invention provides a programmed drug delivery system comprising:

- (a) a core (3) composition comprising one or more beneficial agents and pharmaceutically acceptable excipients, wherein at least one excipient swells when exposed to an aqueous environment,
- (b) a coat (2) surrounding the core composition, wherein the coat is impermeable to the beneficial agent and other core components, but may be permeable or impermeable to water, (c) a passageway in the coat.
- (d) a composition (1) applied so as to cover the passageway, and
- (e) optionally, an immediate release composition comprising the same or different beneficial agent.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/IN 2004/000092

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